

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1. (Previously presented) A wiper arm window latch system comprising:
  - a wiper arm rotatably mounted in a window for wiping said window;
  - a drive motor for driving said wiper arm; and
  - a drive coupler for coupling said wiper arm to said drive motor in order to latch said window to a door and also for coupling said wiper arm to said drive motor such that when said window is in a closed position said wiper arm may be rotatably driven by said drive motor, said drive coupler coupling said wiper arm to said drive motor and simultaneously latching said window and retaining it in a closed position on a door of a vehicle when said window is in said closed position.
2. (Previously presented) The wiper arm window latch system as recited in claim 1 wherein said drive coupler comprises:
  - a receiver for receiving an end of said wiper arm;
  - a lock associated with said receiver for locking said wiper arm onto said receiver.
3. (Original) The wiper arm window latch system as recited in claim 2 wherein said end comprises at least one groove, said lock comprising:
  - a resilient detent for cooperating with said at least one groove to lock said end of said wiper arm in said receiver.
4. (Previously presented) A wiper arm window latch system comprising:
  - a wiper arm rotatably mounted in a window for wiping said window;
  - a drive motor for driving said wiper arm; and
  - a drive coupler for coupling said wiper arm to said drive motor in order to latch said window to a door and also for coupling said wiper arm to said drive motor

such that when said window is in a closed position said wiper arm may be rotatably driven by said drive motor;

wherein said drive coupler comprises an axis, said resilient detent comprises at least one spring-loaded ball biased towards and cooperating with said at least one groove and received in said at least one groove to detachably lock said end of said wiper arm to said drive motor.

5. (Previously presented) The wiper arm window latch system as recited in claim 1 wherein an end of said window wiper arm comprises a wiper latch, said drive latch comprises:

a cam member which cooperates with said wiper latch to lock said window to said door and permitting said wiper arm to rotate when driven by said wiper motor.

6. (Previously presented) The wiper arm window latch system as recited in claim 5 wherein said wiper latch further comprises a cam wall which said cam member engages when said drive motor drives said wiper blade to an open position to unlock said window.

7. (Currently Amended) A wiper arm window latch system comprising:

a wiper arm rotatably mounted in a window for wiping said window;

a drive motor for driving said wiper arm;

a drive coupler for coupling said wiper arm to said drive motor in order to latch said window to a door and also for coupling said wiper arm to said drive motor such that when said window is in a closed position said wiper arm may be rotatably driven by said drive motor;

wherein said drive coupler comprises:

a receiver for receiving an end of said wiper arm;

a lock associated with said receiver for locking said wiper arm onto said receiver[.] ; and

wherein said end comprises at least one groove, said lock comprising:

a resilient detent for cooperating with said at least one groove to lock said end of said wiper arm in said receiver;

wherein said window wiper arm comprises an associated wiper torque defined by a torque at which said at least one spring-loaded ball becomes biased in said at least one groove, said resilient detent comprises a resilient detent torque defined by a torque required to drive said lock to an open position and said drive motor comprises a drive motor torque defined by a torque at which the drive motor drives the wiper arm, said drive motor torque being greater than said resilient detent torque which is greater than said wiper drive torque.

8. (Original) The wiper arm window latch system as recited in claim 1 wherein said drive coupler is located on an output shaft of said drive motor.

9. (Original) The wiper arm window latch system as recited in claim 1 wherein said drive coupler is located on an end of said wiper blade.

10. (Original) The wiper arm window latch system as recited in claim 1 wherein said drive coupler comprises at least one spring-loaded ball.

11. (Original) The wiper arm window latch system as recited in claim 1 wherein said wiper arm comprises an end for receipt in said drive coupler in order to permit said end to be snap-fit into said drive coupler.

12. (Original) The wiper arm window latch system as recited in claim 11 wherein said end comprises a portion which is generally conical.

13. (Original) The wiper arm window latch system as recited in claim 1 wherein said a drive coupler comprises a cam, said system further comprising:

a controller coupled to said drive motor for controlling the operation of said drive motor such that when said controller energizes said drive motor to open said window, said drive motor drives said drive coupler to cause said cam to engage a cam wall to release said end of said wiper arm, thereby opening said window.

14. (Original)        The wiper arm as recited in claim 1 wherein said drive coupler comprises a spring for biasing an insert end of said wiper arm away from said drive coupler so that when said drive coupler unlatches said wiper arm said wiper arm and said window are thrust towards an open position.
15. (Original)        The wiper arm window latch system as recited in claim 1 wherein said system comprises a stop for stopping said wiper arm in a predetermined position.
16. (Original)        The wiper arm window latch system as recited in claim 15 wherein said stop is a mechanical stop.
17. (Original)        The wiper arm window latch system as recited in claim 15 wherein said stop is a software algorithm which causes a controller to stop the wiper arm in said predetermined position.
18. (Previously presented)        A wiper system comprising a wiper arm in a window, said wiper system comprising:  
                         a wiper motor comprising an output shaft having a drive latch assembly;  
                         said drive latch assembly comprising:  
                         a latch release for detachably latching said wiper arm to said wiper motor so that said window becomes locked to said door; and  
                         a resilient detent for detachably coupling said wiper arm to said output shaft, regardless of a rotational position of said wiper arm; said drive latch assembly being capable of simultaneously coupling said output shaft to said wiper arm and retaining said window in a locked position in said door.
19. (Original)        The wiper system as recited in claim 18 wherein said latch release comprises a spring-actuated cam lock.
20. (Original)        The wiper system as recited in claim 19 wherein said wiper arm comprises an end comprising at least one groove, said lock comprising:  
                         a resilient detent for cooperating with said at least one groove to lock said end of said wiper arm in said receiver.

21. (Previously presented) A wiper system comprising a wiper arm in a window, said wiper system comprising:

- a wiper motor comprising an output shaft having a drive latch assembly;  
said drive latch assembly comprising:

- a latch release for detachably latching said wiper arm to said wiper motor  
so that said window becomes locked to said door;

- a resilient detent for detachably coupling said wiper arm to said output  
shaft, regardless of a rotational position of said wiper arm;

- wherein said latch release comprises a spring-actuated cam lock and said  
wiper arm comprises an end comprising at least one groove;

- said resilient detent for cooperating with said at least one groove to lock  
and end of said wiper arm in said receiver; and

- wherein said output shaft comprises an axis, said resilient detent  
comprising at least one spring-loaded ball biased towards and cooperating with said at  
least one groove and received in said at least one groove to detachably lock said end  
of said wiper arm in said receiver.

22. (Previously presented) A wiper system comprising a wiper arm in a window, said wiper system comprising:

- a wiper motor comprising an output shaft having a drive latch assembly;  
said drive latch assembly comprising:

- a latch release for detachably latching said wiper arm to said wiper motor  
so that said window becomes locked to said door; and

- a resilient detent for detachably coupling said wiper arm to said output  
shaft, regardless of a rotational position of said wiper arm;

- wherein an end of said window wiper comprises a wiper latch, said drive  
latch assembly further comprising:

- a cam member which cooperates with said wiper latch to lock said  
window to said door and permitting said wiper arm to rotate when driven by said drive  
motor.

23. (Original) The wiper system as recited in claim 22 wherein said drive latch assembly further comprises a cam wall which said cam member engages when said drive motor drives said wiper blade to an open position to unlock said window.

24. (Previously presented) A wiper system comprising a wiper arm in a window, said wiper system comprising:

- a wiper motor comprising an output shaft having a drive latch assembly ;  
said drive latch assembly comprising:

- a latch release for detachably latching said wiper arm to said wiper motor so that said window becomes locked to said door;

- a resilient detent for detachably coupling said wiper arm to said output shaft, regardless of a rotational position of said wiper arm;

- wherein said latch release comprises a spring-actuated cam lock;

- wherein said wiper arm comprises an end comprising at least one groove, said lock comprising;

- a resilient detent for cooperating with said at least one groove to lock said end of said wiper arm in said receiver; and

- wherein said window wiper arm comprises an associated wiper torque defined by a torque at which said resilient detent becomes biased in said at least one groove, said resilient detent comprises a resilient detent torque defined by a torque required to drive said lock to an open position and said drive motor comprises a drive motor torque defined by a torque at which the drive motor drives the wiper arm, said drive motor torque being greater than said resilient detent torque which is greater than said wiper drive torque.

25. (Original) The wiper system as recited in claim 18 wherein said drive coupler is located on an end of said wiper blade.

26. (Currently Amended) A wiper system comprising a wiper arm in a window, said wiper system comprising:

- a wiper motor comprising an output shaft having a drive latch assembly;  
said drive latch assembly comprising:

- a latch release for detachably latching said wiper arm to said wiper motor

so that said window becomes locked to said door; and

a resilient detent for detachably coupling said wiper arm to said output shaft, regardless of a rotational position of said wiper arm;

wherein said resilient detent comprises at least one spring-loaded ball.

27. (Original) The wiper system as recited in claim 18 wherein said wiper arm comprises an end for receipt in said drive coupler in order to permit said end to be snap-fit into said drive coupler.

28. (Original) The wiper system as recited in claim 27 wherein said end comprising a portion which is generally conical.

29. (Original) The wiper system as recited in claim 18 wherein said drive coupler comprises a cam, said system further comprising:

a controller coupled to said drive motor for controlling the operation of said drive motor such that when said controller energizes said drive motor to open said window, said drive motor drives said drive coupler to cause said cam to engage a cam wall to release said end of said wiper arm, thereby opening said window.

Claims 30-49 (Cancelled).

50. (Previously presented) A wiper arm window latch system comprising:

a wiper arm rotatably mounted in a window for wiping said window;

a drive motor for driving said wiper arm; and

coupler means for coupling said wiper arm to said drive motor in order to latch said window to a door and also for coupling said wiper arm to said drive motor such that when said window is in a closed position said wiper arm may be rotatably driven by said drive motor; said coupler means retaining said window in a locked position on said door while simultaneously coupling said drive motor to said wiper arm to permit said drive motor to drive said wiper arm.

51. (Previously presented) The wiper arm window latch system as recited in claim 50 wherein said drive coupler comprises:

a receiver for receiving an end of said wiper arm;  
a lock associated with said receiver for locking said wiper arm onto said receiver.

52. (Original) The wiper arm window latch system as recited in claim 51 wherein said end comprises at least one groove, said lock comprising:

a resilient detent for cooperating with said at least one groove to lock said end of said wiper arm in said receiver.

53. (Previously presented) A wiper arm window latch system comprising:

a wiper arm rotatably mounted in a window for wiping said window;

a drive motor for driving said wiper arm; and

coupler means for coupling said wiper arm to said drive motor in order to latch said window to a door and also for coupling said wiper arm to said drive motor such that when said window is in a closed position said wiper arm may be rotatably driven by said drive motor; said coupler means retaining said window in a locked position on said door while simultaneously coupling said drive motor to said wiper arm to permit said drive motor to drive said wiper arm;

wherein said coupler means comprises:

a receiver for receiving an end of said wiper arm;

a lock associated with said receiver for locking said wiper arm onto said receiver;

wherein said end comprises at least one groove, said lock comprising a resilient detent for cooperating with said at least one groove to lock said end of said wiper arm in said receiver; and

wherein said coupler means comprises an axis, said resilient detent comprises at least one spring-loaded ball biased towards and cooperating with said at least one groove said axis and received in said at least one groove to detachably lock said end of said wiper arm in said receiver.

54. (Original) The wiper arm window latch system as recited in claim 50 wherein an end of said window wiper comprises a wiper latch, said drive latch comprises:

a cam member which cooperates with said wiper latch to lock said



window to said door and permitting said wiper arm to rotate when driven by said drive motor.

55. (Original) The wiper arm window latch system as recited in claim 54 wherein said drive latch further comprises a cam wall which said cam member engages when said drive motor drives said wiper blade to an open position to unlock said window.

56. (Previously presented) A wiper arm window latch system comprising:

a wiper arm rotatably mounted in a window for wiping said window;

a drive motor for driving said wiper arm; and

coupler means for coupling said wiper arm to said drive motor in order to latch said window to a door and also for coupling said wiper arm to said drive motor such that when said window is in a closed position said wiper arm may be rotatably driven by said drive motor; said coupler means retaining said window in a locked position on said door while simultaneously coupling said drive motor to said wiper arm to permit said drive motor to drive said wiper arm. wherein said coupler means comprises:

a receiver for receiving an end of said wiper arm; and

a lock associated with said receiver for locking said wiper arm onto said receiver;

wherein said end comprises at least one groove, said lock comprising:  
a resilient detent for cooperating with said at least one groove to lock said end of said wiper arm in said receiver;

wherein said window wiper comprises an associated wiper torque defined by a torque at which said at least one spring-loaded ball becomes biased in said at least one groove, said resilient detent comprises a resilient detent torque defined by a torque required to drive said lock to open position and said drive motor comprises a drive motor torque defined by a torque at which the drive motor drives the wiper arm, said drive motor torque being greater than said resilient detent torque which is greater than said wiper drive torque.

57. (Original) The wiper arm window latch system as recited in claim 50 wherein said coupler means is located on an output shaft of said drive motor.

58. (Original) The wiper arm window latch system as recited in claim 50 wherein said coupler means is located on an end of said wiper blade.

59. (Original) The wiper arm window latch system as recited in claim 50 wherein said coupler means comprises at least one spring-loaded ball.

60. (Original) The wiper arm window latch system as recited in claim 50 wherein said wiper arm comprises an end for receipt in said coupler means in order to permit said end to be snap-fit into said coupler means.

61. (Original) The wiper arm window latch system as recited in claim 60 wherein said end comprises a portion which is conical.

62. (Original) The wiper arm window latch system as recited in claim 50 wherein said a coupler means comprises a cam, said system further comprising:

a controller coupled to said drive motor for controlling the operation of said drive motor such that when said controller energizes said drive motor to open said window, said drive motor drives said coupler means to cause said cam to engage a cam wall to release said end of said wiper arm, thereby opening said window.

63. (Original) The wiper arm as recited in claim 50 wherein said coupler means comprises a spring for biasing an end of said wiper arm away from said coupler means so that when said coupler means unlatches said wiper arm said wiper arm and said window are thrust towards an open position.